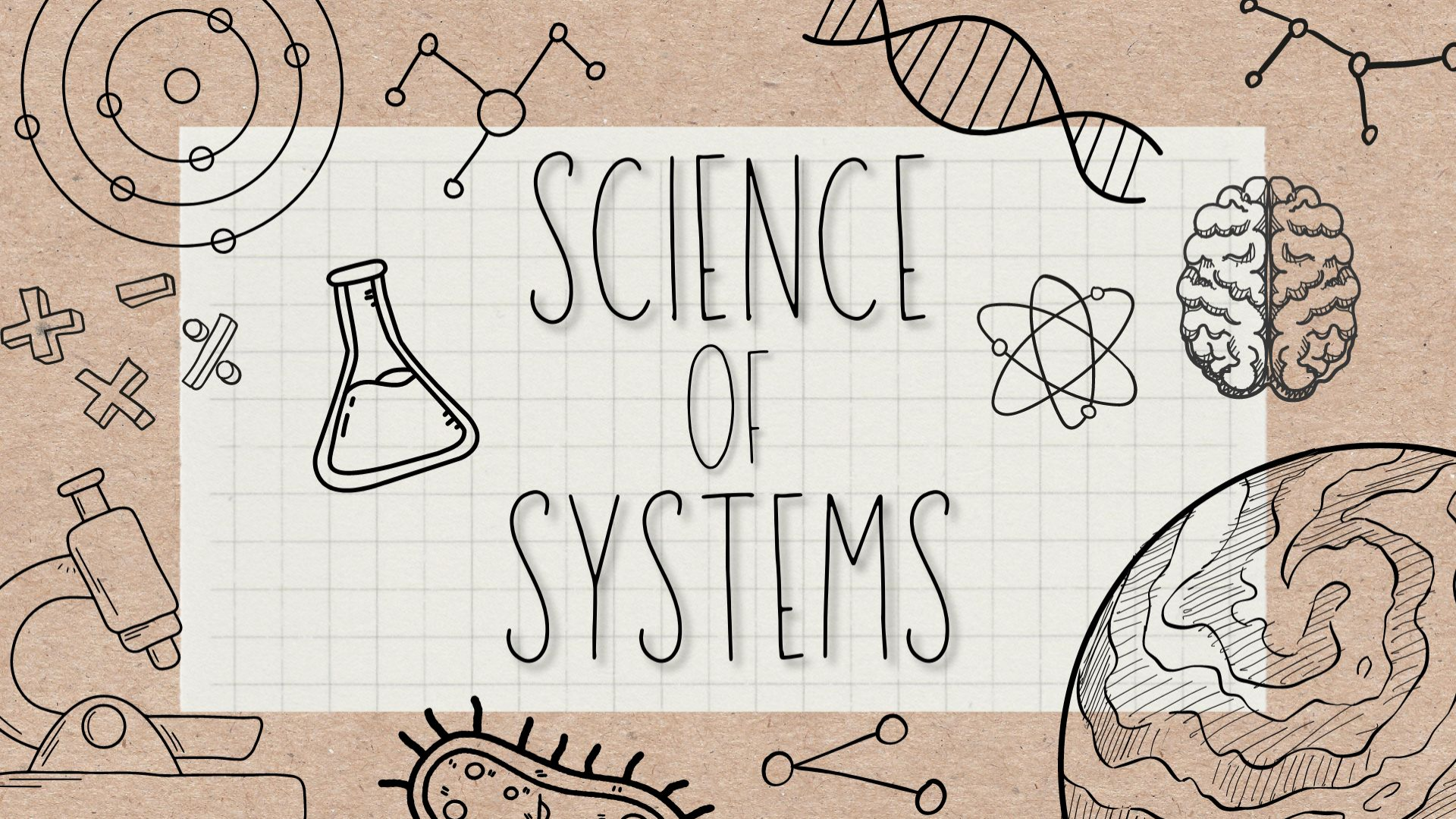
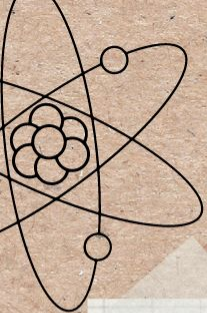


SCIENCE OF SYSTEMS





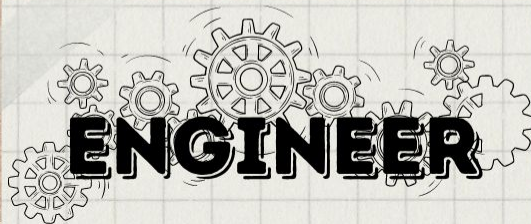
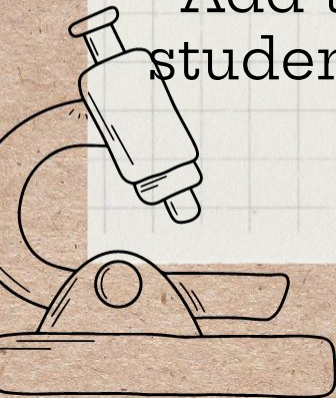
SKILL STATIONS



Create



Add task or
students here



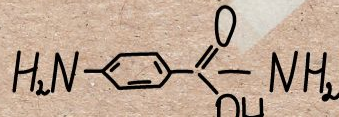
Add task or
students here

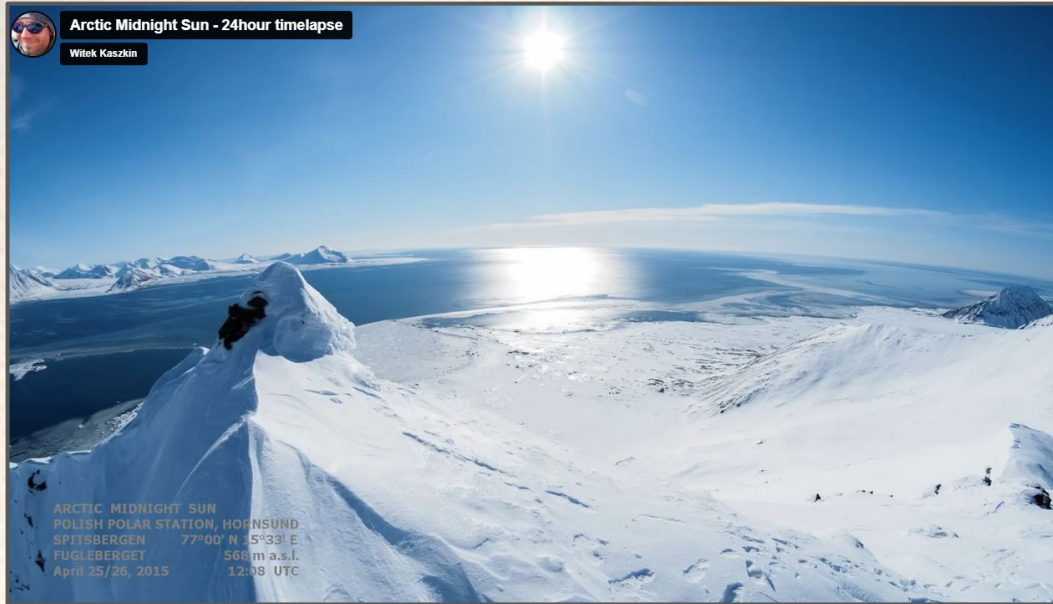


SOLVE



Add task or
students here

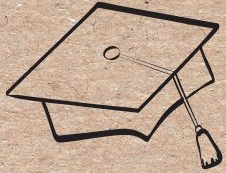




LET'S GET CURIOUS!



HABITS OF A SCHOLAR

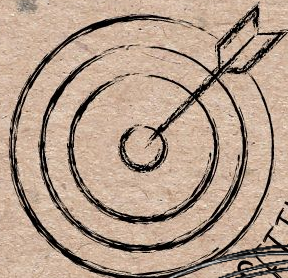


DIFFERENT PERSPECTIVES

CURIOSITY



PONDERING IDEAS



GOAL SETTING



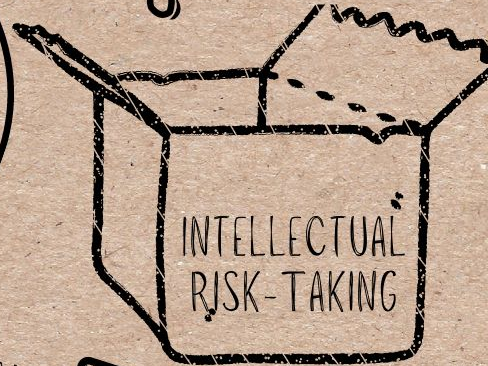
SAVING IDEAS



PREPARATION



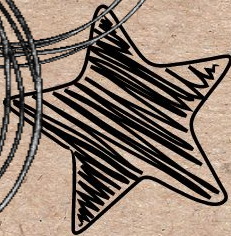
ACADEMIC HUMILITY



INTELLECTUAL RISK-TAKING



VARIED RESOURCES



EXCELLENCE



PERSEVERANCE

SYSTEMS HAVE PARTS THAT
WORK TO COMPLETE A
TASK.

SYSTEMS INTERACT.

PARTS OF
SYSTEMS ARE
INTERDEPENDENT
UPON ONE
ANOTHER AND
FORM SYMBIOTIC
RELATIONSHIPS.

SYSTEMS
FOLLOW
RULES

SYSTEMS 
GENERALIZATIONS

A SYSTEM MAY BE
INFLUENCED BY OTHER
SYSTEMS.

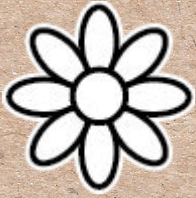
SYSTEMS ARE COMPOSED
OF SUBSYSTEMS.



What statement could describe all we have learned about systems?



physiology - the study of the human body systems and how they work together.



Byrdseed.tv
Details

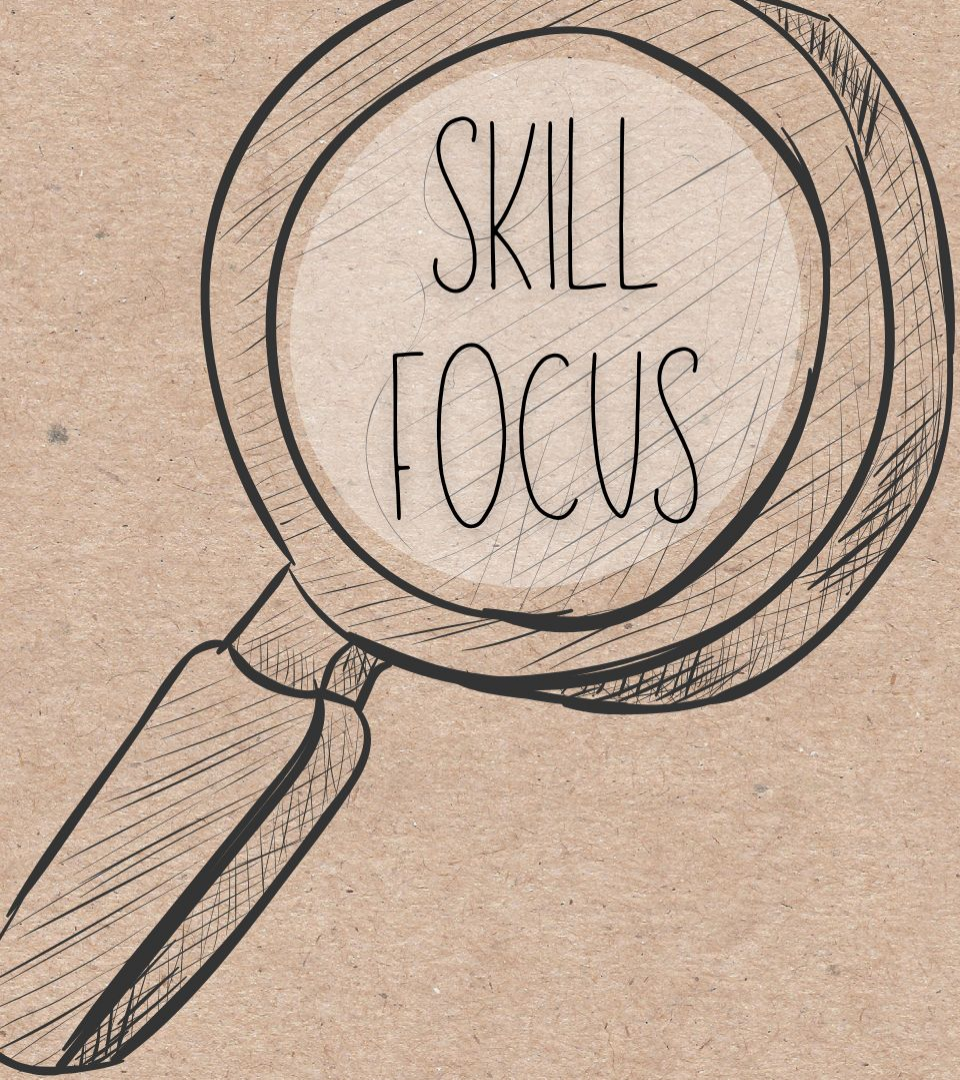
INTRODUCING DEPTH & COMPLEXITY



Details

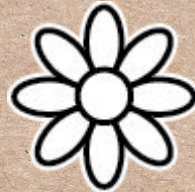
FOR STUDENTS

small, essential parts about a topic



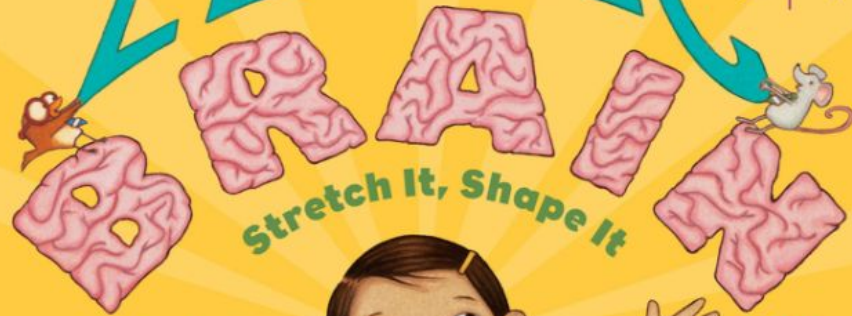
Details

characteristics,
attributes, factors,
evidence



Your
FANTASTIC
ELASTIC

The
Growth
Mindset
Book



Stretch It, Shape It



Over
265,000
copies
sold!

by
JoAnn Deak, PhD

Illustrated by
Sarah Ackerley



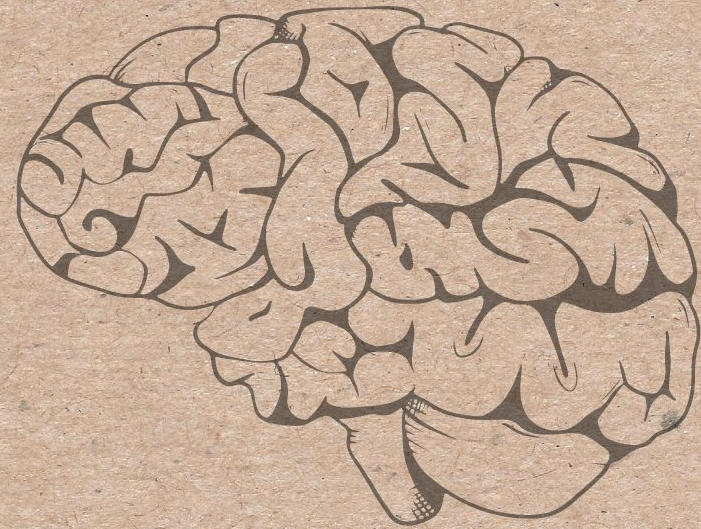
What are the
attributes of
our brain?





**THE
BRAIN
FOR KIDS**

What information can
be added to what we
already know about
the brain?



Hemisphere Brain Hat





Brain Stations



Left Hemisphere:

- sudoku
- perplexor
- stem activity
- exemplar

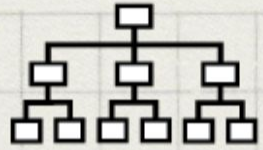


Right Hemisphere:

- visual spatial game or activity
- transformation
- scattergories

[Reflection Questions](#)

IS IT A SYSTEM?



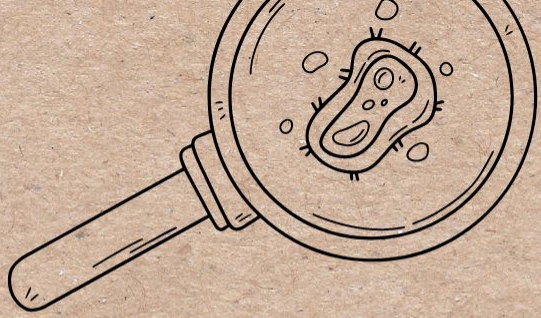
DOES THE INTERACTION OF THE PARTS PRODUCE AN EFFECT THAT IS DIFFERENT FROM THAT OF ANY PART ON ITS OWN?

ARE THERE PARTS?

DOES IT MATTER HOW THE PARTS ARE ARRANGED?

DO THE PARTS AFFECT EACH OTHER?

DOES THE BEHAVIOR OF THE SYSTEM CHANGE IF A PART IS TAKEN AWAY?

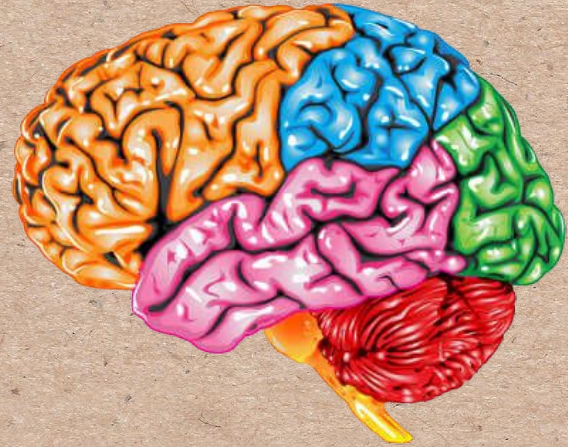


LET'S REFLECT...

- How can we use our knowledge of the brain to improve learning, memory, and cognitive function (how we figure things out)?
- What are some strategies for staying safe during physical activities, such as sports or outdoor recreation?

Extension

Pick a lobe of the brain to research. Refer back to your notes and brain hats. Research two symptoms that would occur as a result of damage to the lobe. Create a [comic](#) explaining your findings.



Additional Resources

- [Functions of the Brain](#)
- [Ducksters: The Brain](#)
- [DK Findout: Inside Our Brain](#)

Injuries to the Brain

